

Installing A Filter Box



The filter box will help eliminate or diminish odors which emanate from the top of the vent stack in electric units caused by evaporating urine. If odor is noticeable due to downdraft or location of the vent, installation of a filter box will improve the problem. When installing the filter box in the vent, it should be installed in a location where you will have easy access to change filter materials.

Filter material should be changed approximately every 3 - 4 months. (See Page 2; Air Filtration on a Mobile with filter box)

Parts In Kit

- 1 Pkg Carbon
- 2 Pkg Zeolite
- 1 Filter Box Top
- 1 Filter Box Bottom

Required

- 2 - 2" Rubberized Coupling
- 1 - Tube Silicone Caulk
- 1 - Hacksaw
- 1 - Silicone tape or Electric Tape
- 1 - Putty Knife
- 1 - Phillips (star head) Screwdriver



Before Installation

Installing the filter box will decrease the volume of air moving up the vent pipe. To compensate, it is recommended that you remove the fan and close the fan gate.

Removing the fan

- 1 Disconnect the vent from where it is attached to the unit.
- 2 Use putty knife to pry off the 8 domed shaped coverings from around the large fan plate.
- 3 Remove the 8 screws found under the dome-shaped coverings and set aside.
- 4 Pull the fan straight out of the unit. (The fan will still be tethered to the composting unit by the power cord)

Adjusting The Fan Gate



- 1 Use Phillips (Star-Head) screwdriver to loosen the screw on the fan gate.
- 2 Slide fan-gate up to just above '0'.
- 3 Tighten Screw.

Reinstalling The Fan

- 1 Place the fan back into the hole in the unit.
- 2 Match up screw holes and replace the screws (Be sure not to over-tighten the screws as you may strip the screw holes. If this happens, seal the hole with silicone to ensure that there is no odor)
- 3 Replace the dome-shaped covering over the screws.
- 4 Reconnect the vent pipe and seal the connection with silicone.

Installing The Filter Box

- 1 Choose a location in the vent stack where the filter box will be installed. This location can be inside or outside, anywhere in the length of the vent pipe. As you will need to change the filter materials in the box periodically, choose a location where you will be easily able to access the filter box.
- 2 Use the hacksaw to cut through the vent, removing at least 13" of vent pipe.
- 3 Attach a 2" rubberized coupling to the bottom portion of the cut vent pipe and tighten the pipe clamp so that it is firmly affixed to the vent pipe.
- 4 Insert the filter box bottom into the 2" rubberized coupling that is now attached to the vent and tighten the pipe clamp so that it is firmly attached.

- 5 Use silicone caulk around the top and bottom of the rubberized coupling to create an air-tight seal.
- 6 Slip the remaining 2" rubberized coupling over the end of the cut vent that will attach to the top of the filter box and tighten the hose clamp. The rubberized coupling should now be firmly attached to the vent.
- 7 Remove enough carbon and zeolite from the filter bags so that when they are installed in the filter box there will only be approximately ½" layer of carbon and ½" layer of zeolite. Store the extra filter materials in separate containers for future use.
- 8 Fold the bags containing the carbon and zeolite so that they will lay flat on the bottom of the filter box and so that there the filter bags do not overhang the bottom of the filter box.
- 9 Place one bag of carbon and one bag of zeolite on top of the mesh in the filter box bottom.
- 10 Push the filter box top over the bottom.
- 11 Slip the top of the filter box top into the lower part of the 2" rubberized coupling and tighten the pipe clamp until it is securely fastened to the top of the filter box.
- 12 Use silicone caulk around the top and bottom of the rubberized coupling to create an air-tight seal.
- 13 Use silicone or electric tape around the seam where to top of the filter box meets the bottom to ensure that there is an air-tight seal.